

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pLifeAct_mScarlet_N1

RRID:Addgene_85054

Type: Plasmid

Proper Citation

RRID:Addgene_85054

Plasmid Information

URL: <http://www.addgene.org/85054>

Proper Citation: RRID:Addgene_85054

Insert Name: LifeAct

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27869816](#)

Vector Backbone Description: Backbone Marker:Gadella Lab; Backbone Size:4693; Vector Backbone:pmScarlet_N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pLifeAct_mScarlet_N1

Record Creation Time: 20220422T222547+0000

Record Last Update: 20260902T050352+0000

Ratings and Alerts

No rating or validation information has been found for pLifeAct_mScarlet_N1.

No alerts have been found for pLifeAct_mScarlet_N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Ahmad M, et al. (2026) A Site-Specific Self-Association of a Protein Hub Drives Its Phase Separation. ACS chemical biology, 21(1), 46.

Phua DYZ, et al. (2025) Force-activated zyxin assemblies coordinate actin nucleation and crosslinking to orchestrate stress fiber repair. Current biology : CB, 35(4), 854.

Domingues N, et al. (2024) Connexin43 promotes exocytosis of damaged lysosomes through actin remodelling. The EMBO journal, 43(17), 3627.

Yu L, et al. (2024) PCDH17 restricts dendritic spine morphogenesis by regulating ROCK2-dependent control of the actin cytoskeleton, modulating emotional behavior. Zoological research, 45(3), 535.

Blake TCA, et al. (2024) Filopodial protrusion driven by density-dependent Ena-TOCA-1 interactions. Journal of cell science, 137(6).

Coscia SM, et al. (2024) An interphase actin wave promotes mitochondrial content mixing and organelle homeostasis. Nature communications, 15(1), 3793.

Phua DYZ, et al. (2024) Force-activated zyxin assemblies coordinate actin nucleation and crosslinking to orchestrate stress fiber repair. bioRxiv : the preprint server for biology.

Martinez AL, et al. (2024) CD56/NCAM mediates cell migration of human NK cells by promoting integrin-mediated adhesion turnover. Molecular biology of the cell, 35(5), ar64.

Cason SE, et al. (2023) Axonal transport of autophagosomes is regulated by dynein activators JIP3/JIP4 and ARF/RAB GTPases. bioRxiv : the preprint server for biology.

Taves MD, et al. (2023) Aire drives steroid hormone biosynthesis by medullary thymic epithelial cells. Science immunology, 8(86), eabo7975.

Lu?i? I, et al. (2023) Controlling the interaction between CaMKII and Calmodulin with a photocrosslinking unnatural amino acid. Protein science : a publication of the Protein Society, 32(11), e4798.

Martinez AL, et al. (2023) CD56/NCAM mediates cell migration of human NK cells by promoting integrin-mediated adhesion turnover. bioRxiv : the preprint server for biology.

Dou D, et al. (2023) Regulatory imbalance between LRRK2 kinase, PPM1H phosphatase, and ARF6 GTPase disrupts the axonal transport of autophagosomes. Cell reports, 42(5), 112448.

Vosatka KW, et al. (2022) A novel Fiji/ImageJ plugin for the rapid analysis of blebbing cells. PloS one, 17(4), e0267740.

Kreider-Letterman G, et al. (2022) Quantification of ruffle area and dynamics in live or fixed lung adenocarcinoma cells. STAR protocols, 3(2), 101437.

Roellig D, et al. (2022) Force-generating apoptotic cells orchestrate avian neural tube bending. *Developmental cell*, 57(6), 707.

Schelski M, et al. (2022) Microtubule retrograde flow retains neuronal polarization in a fluctuating state. *Science advances*, 8(44), eabo2336.

Cason SE, et al. (2022) Spatiotemporal analysis of axonal autophagosome-lysosome dynamics reveals limited fusion events and slow maturation. *Molecular biology of the cell*, 33(13), ar123.

Moore AS, et al. (2021) Actin cables and comet tails organize mitochondrial networks in mitosis. *Nature*, 591(7851), 659.

Evans CS, et al. (2020) Degradation of engulfed mitochondria is rate-limiting in Optineurin-mediated mitophagy in neurons. *eLife*, 9.